

Complete if Known

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First Named Inventor	Martin HENDRIX, et al.
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Examiner Name	Rao Deshpande
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(Use as many sheets as necessary)

Sheet	1	of	100000 3
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Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
/SAA/		3,165,520	01-12-1965	Paul SCHMIDT, et al.	

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/S.M./		F. Josef van der STAAY, et al., "The novel selective PDE9 inhibitor BAY 73-6691 improves learning and memory in rodents", NEUROPHARMACOLOGY, 55 (2008) pp. 908-916	
/S.M./		U. EBERT, et al., "Scopolamine model of dementia: electroencephalogram findings and cognitive performance", EUROPEAN JOURNAL OF CLINICAL INVESTIGATION, (1998) 28, pp. 944-949	
/S.M./		Jos PRICKAERTS, et al., "Possible role of nitric oxide-cyclic GMP pathway in object recognition memory: Effect of 7-nitroindazole and zaprinast", EUROPEAN JOURNAL OF PHARMACOLOGY 337 (1997) pp. 125-136	
/S.M./		F. Zaragoza DÖRWALD, "Side Reactions in Organic Synthesis", A GUIDE TO SUCCESSFUL SYSTHESIS DESIGN, 2005, 4 pages preface	
/S.M./		Kenneth F. PODRAZA, "Reductive Cyclization of Ketoesters Utilizing Sodium Cyanoborohydride: Synthesis of γ - and δ -Lactones" J. HETEROCYCLIC CHEM., 24, 193 (1987)	
/S.M./		Internet Article, "Amnesia", From Wikipedia, the free encyclopedia, 3 pages , downloaded 12/18/08 < file://C:\DOCUME~1\jmurray\LOCALS~1\Temp\RAV9XSH.htm>	
/S.M./		Reid IA, "Role of phosphodiesterase isoenzymes in the control of rennin secretion: effects of selective enzyme inhibitors", CURR PHARM DES, 1999, Sep; 5(9); 725-35 abstract	
/S.M./		Edwin J. WEEBER, et al., "Molecular Genetics of Human Cognition", MOLECULAR INVENTIONS, Vol. 2, Issue 6, October 2002, pps. 376-391	
		International Search Report for International Application No. PCT/EP2004/004455 mailed September 17, 2004, 9 pages	
		International Search report for International Application No. PCT/EP2004/004440 mailed July 14, 2004, 6 pages	
		International Search Report for International Application No. PCT/EP2004/000720 mailed November 25, 2004, 8 pages	
		International Search Report for International Application No. PCT/EP2004/000090 mailed December 16, 2004, 9 pages	
		International Search Report for International Application No. PCT/EP2004/000477 mailed October 27, 2004, 6 pages	
		International Search Report for International Application No. PCT/EP2004/014872 mailed May 19, 2005, 10 pages	
		Scott H. SODERLING, et al., "Identification and Characterization of a Novel Family of Cyclic Nucleotide Phosphodiesterases", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 273, No. 25, Issue of June 19, 1998, pgs. 15553-15558	
		Scott H. SODERLING, et al., "Regulation of cAMP and cGMP signaling: new phosphodiesterases and new functions", CURRENT OPINION IN CELL BIOLOGY, 2000, 12:174-179	
		Svetlana G. ANDREEVA, et al., "Expression of cGMP-Specific Phosphodiesterase 9A mRNA in the Rat Brain", THE JOURNAL OF NEUROSCIENCE, November 15, 2001, 21(22); pgs. 9068-9076	
		O. O. OBIENO, et al., "Potential Purine Antagonists. VII. Synthesis of 6-Alkylpyrazolo[3,4-d]pyrimidines^{12a}", POTENTIAL PURINE ANTAGONISTS, VII, Vol. 23, February 1958, pgs. 191-200	
		Lindsay FAWCETT, et al., "Molecular cloning and characterization of a distinct human phosphodiesterase gene family: PDE11A", PNAS, Vol. 97, No. 7, March 28, 2000, pgs. 3702-3707	
		Douglas A. FISHER, et al., "Isolation and Characterization of PDE9A, a Novel Human cGMP-specific Phosphodiesterase", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 273, No. 25, Issue of June 19, 1998, pgs. 15559-15564	
		Douglas A. FISHER, et al., "Isolation and Characterization of PDE8A, a Novel Human cAMP-Specific Phosphodiesterase", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, Vol. 246, April 15, 1998, pgs. 570-577	
		Sharon H. FRANCAIS, et al., "Characterization of a Novel cGMP Binding Protein from Rat Lung", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 255, No. 2, Issue of January 25, 1980, pgs. 620-626	
		Kotomi FUJISUGA, et al., "Cloning and Characterization of a Novel Human Phosphodiesterase That Hydrolyzes Both cAMP and cGMP (PDE10A)", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 274, No. 20, Issue of June 25, 1999, pgs. 18438-18445	
		Heike GIELEN, et al., "A novel approach to amidines from esters", TETRAHEDRON LETTERS, 43, 2002, pgs. 440-421	
		Rudolf COMBER, et al., "Substituted dithioacetic acids and ketene thioacetals", CARBOXYLIC ACID DERIVATIVES, Vol. 95, 1962, pgs. 2861-2870	

		Peter G. GREENBERG, et al., "Characterization of a Bovine Cone Photoreceptor Phosphodiesterase Purified by Cyclic GMP-Sepharose Chromatography", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 263, No. 7, Issue of June 15, 1988, pgs. 8133-8141	
		Michael GUDDON, et al., "Identification and characterization of a novel cyclic nucleotide phosphodiesterase gene" (PDE9A) that maps to 21q22.3: alternative splicing of mRNA transcripts, genomic structure and sequence", HUM GENET (1998) 103:386-392	
		J. M. HEITMAN, et al., "Cloning and characterization of PDE2B, a cAMP-specific phosphodiesterase", PNAS, Vol. 97, No. 1, January 4, 2000, pgs. 472-476	
		Kate LOUGHNEY, et al., "Isolation and characterization of cDNAs Corresponding to Two Human Calcium, Calmodulin-regulated, 3',5'-Cyclic Nucleotide Phosphodiesterases", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 271, No. 2, Issue of January 12, 1996, pgs. 796-806	
		James E. HEDERER, et al., "Primary Cultures of Identified Neurons from the Visual Cortex of Postnatal Rats", THE JOURNAL OF NEUROSCIENCE, Vol. 6, No. 10, pgs. 3044-3060	
		Kate LOUGHNEY, et al., "Isolation and characterization of cDNAs encoding PDE5A, a human cGMP-binding, cGMP-specific 3',5'-cyclic nucleotide phosphodiesterase", GENE, 216 (1998), pgs. 139-147	
		Chris LUSHER, "Cyclic nucleotide phosphodiesterase (PDE) superfamily: A new target for the development of specific therapeutic agents", PHARMACOLOGY & THERAPEUTICS, 109 (2006), pgs. 366-398	

***Note; only structures were considered.**

Examiner Signature	/Susanna Moore/	Date Considered	06/01/2009
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